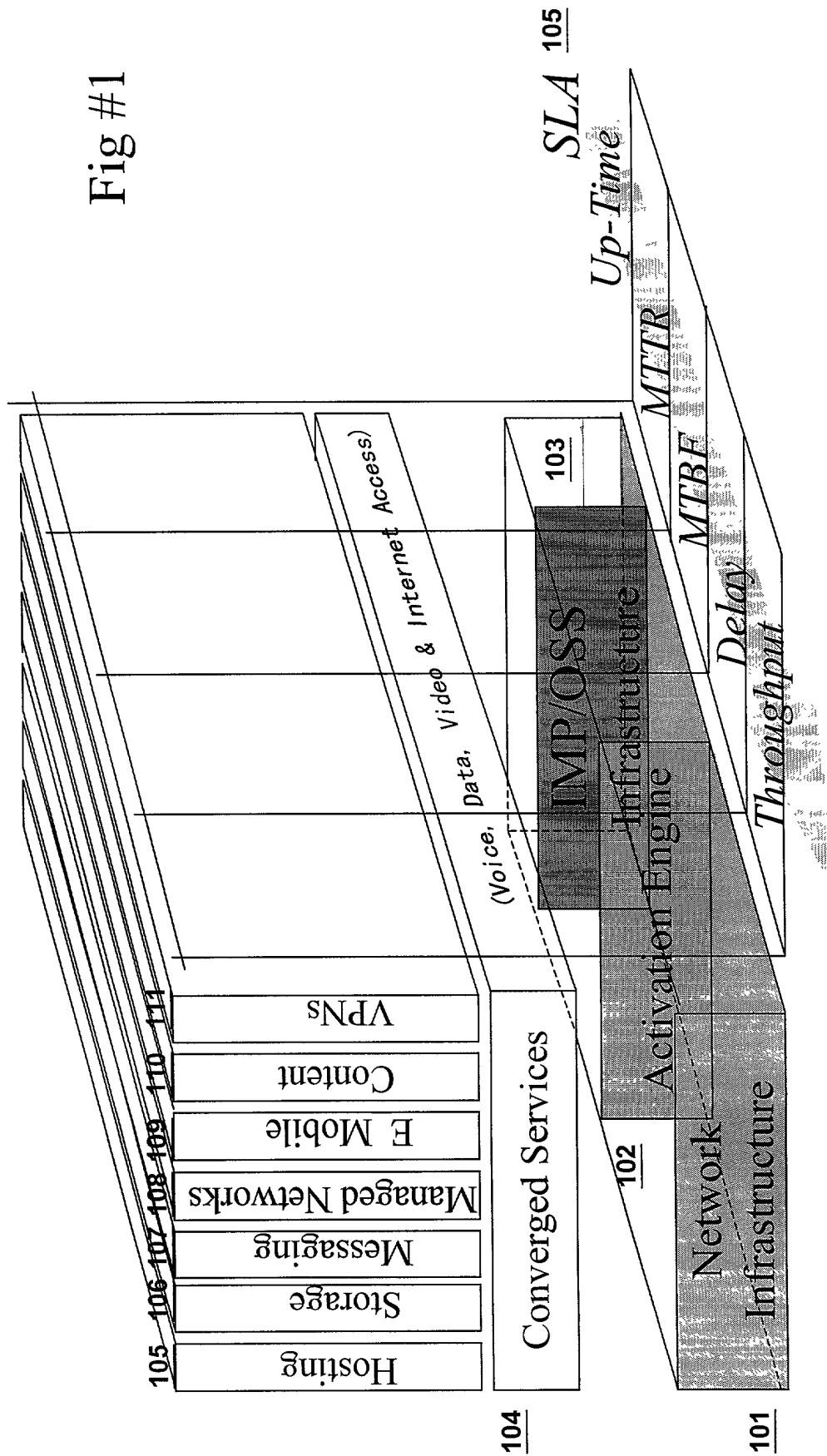


Integrated Communications System Architecture

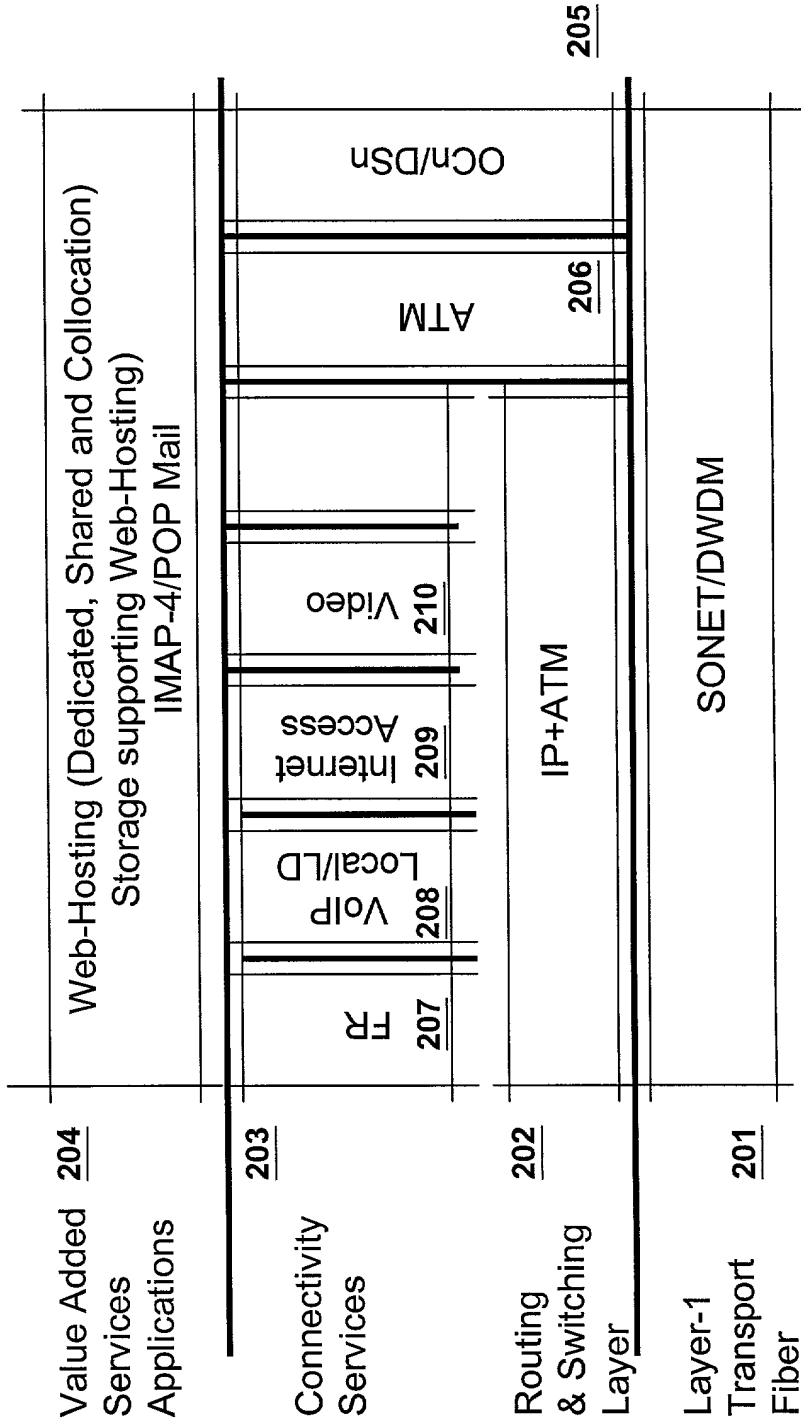


TEL-457-6360 Integrated Network Infrastructure

Architecture

(Current state)

Fig #2

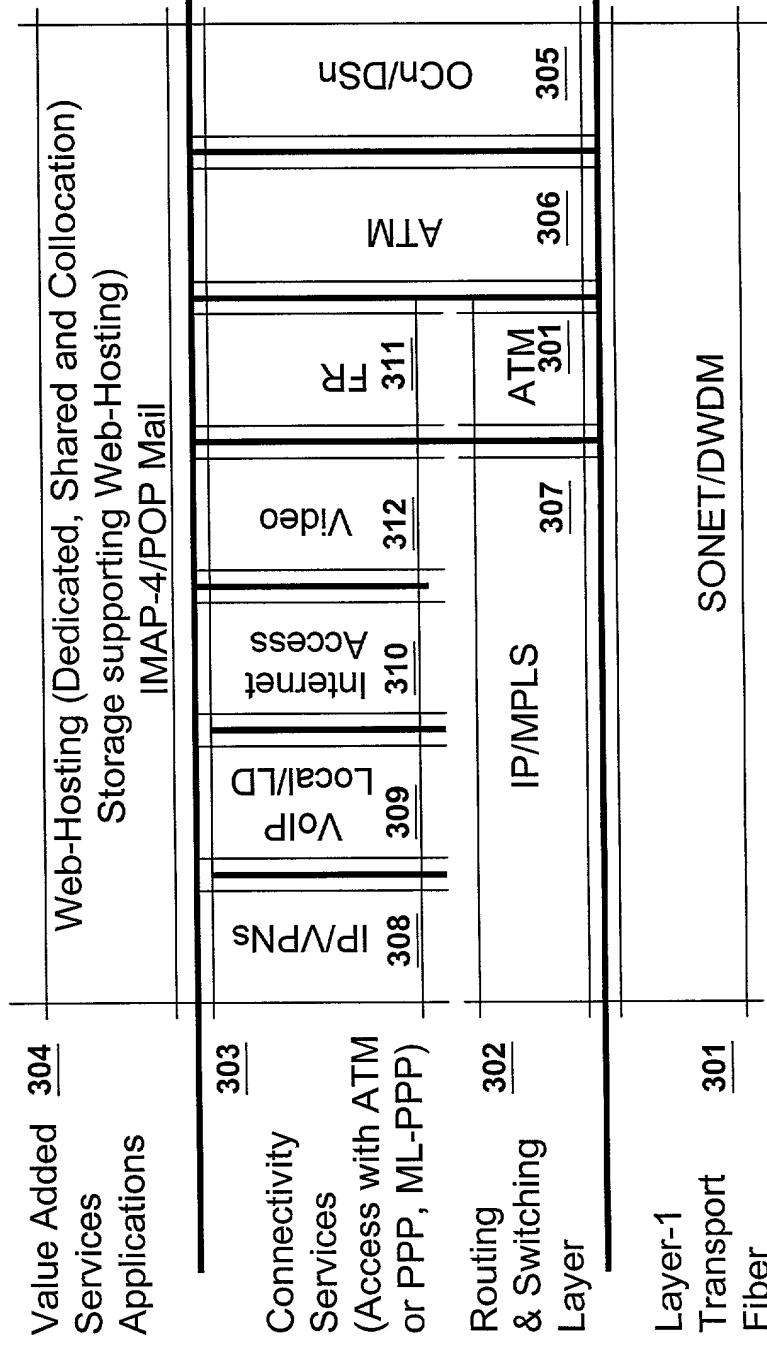


T E C H N O L O G I E S Integrated Network Infrastructure

Architecture

Intermediate state

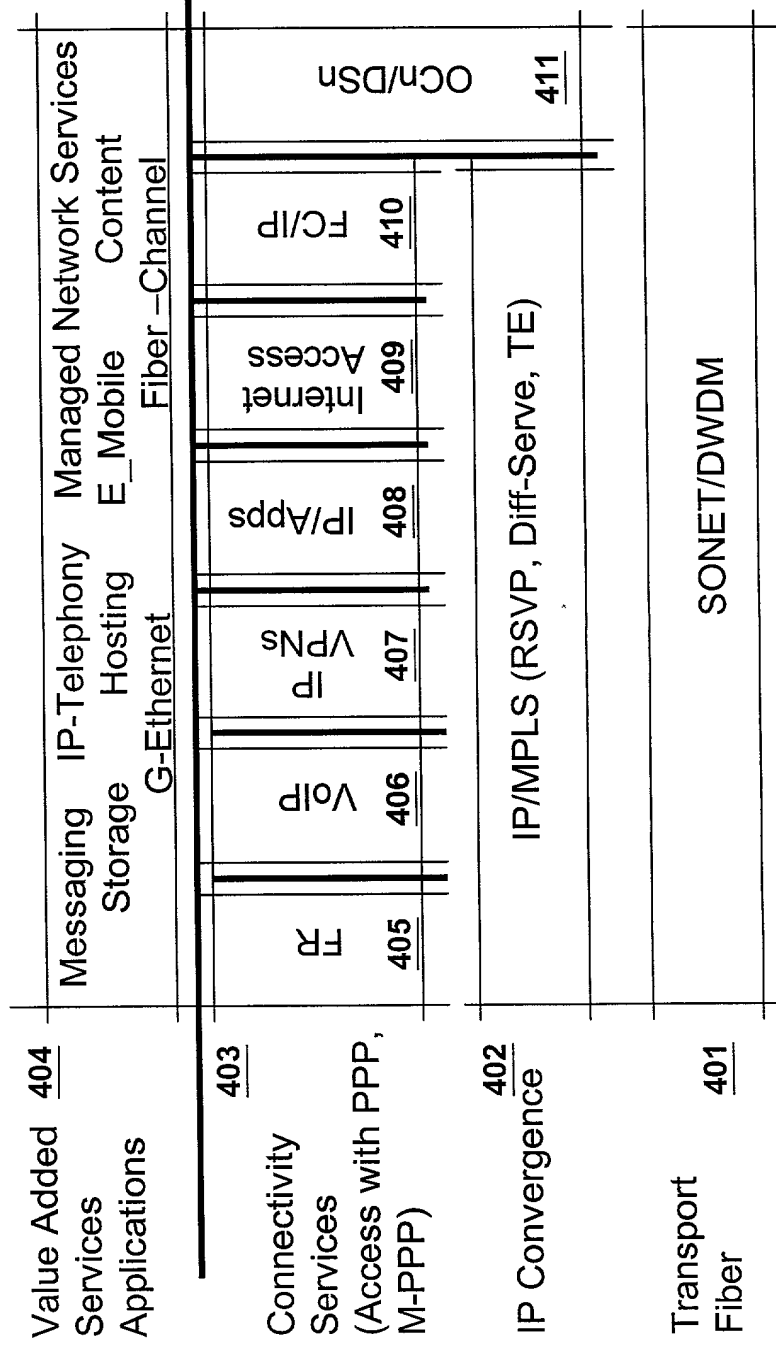
Fig #3



Integrated Network Infrastructure Architecture

End state (target-2002)

Fig #4



Packet-Based Converged Services Infrastructure

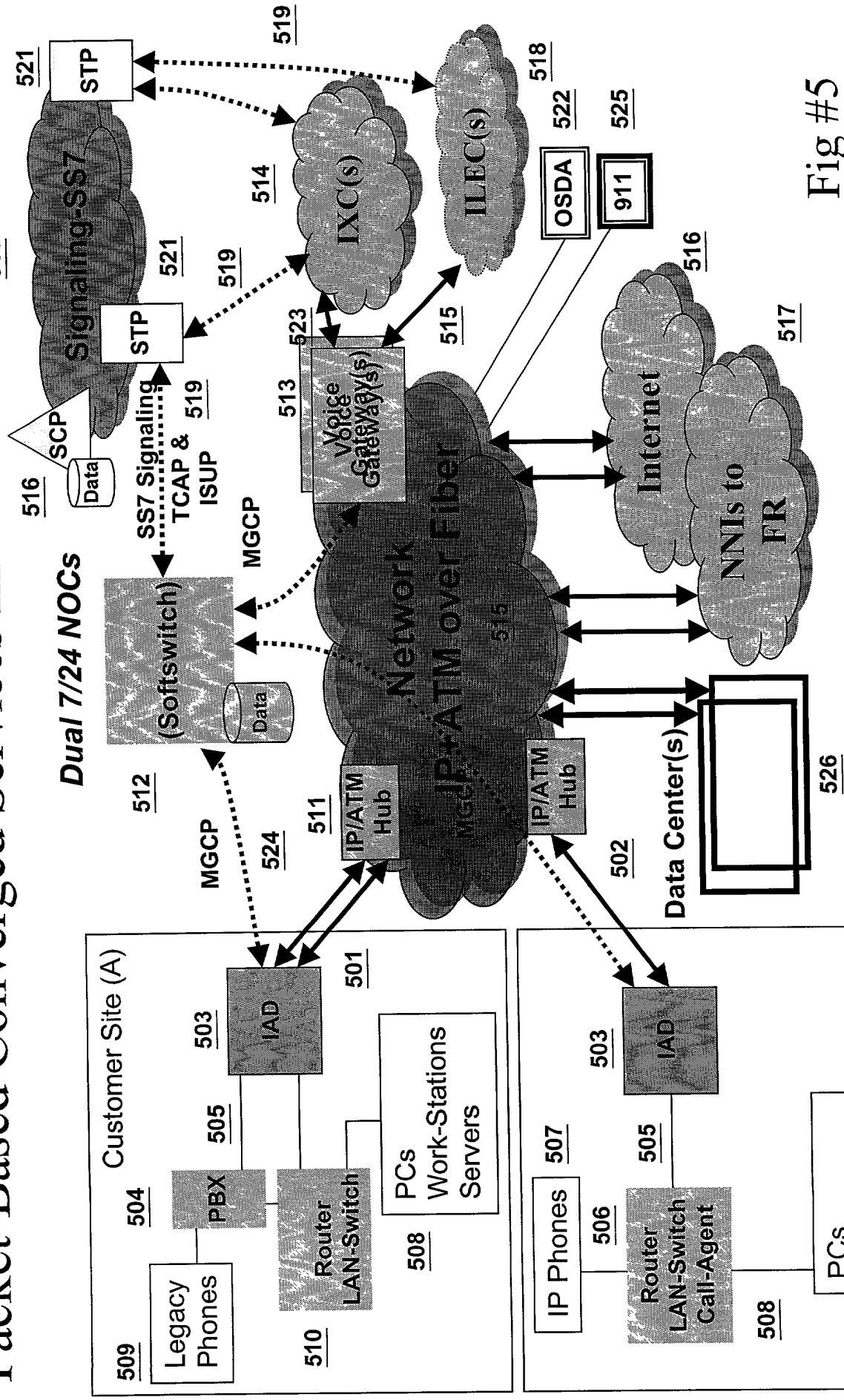


Fig #5

Confidential

Illustration of Converged Services

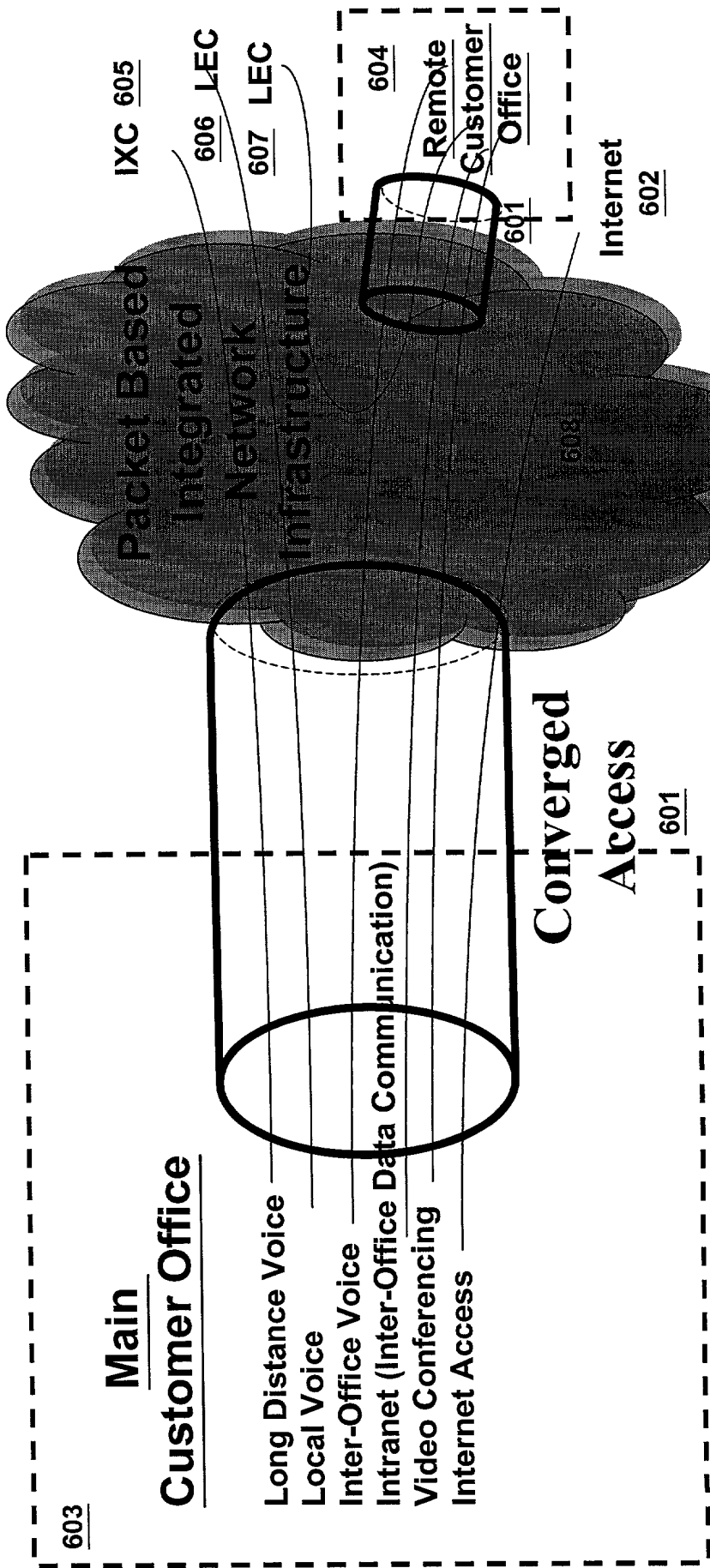


Fig #6

Confidential

The diagram illustrates a network architecture for connecting different types of customers to a central LEC POP (803). On the left, the 'LEC Access Customer' (801) is shown with a 'METRO-RING' and 'METRO FIBER' connection to the 'LEC POP'. The 'LEC POP' (803) contains 'T3 CIRCUITS' and is connected to 'T3 CIRCUIT' blocks. On the right, the 'LEC Access Multi-Tenant' (804) is shown with a 'METRO-RING' and 'METRO FIBER' connection to the 'LEC POP'. The 'LEC POP' is also connected to 'POWERPATH T1' blocks, which are further connected to 'ROUTER', 'PBX', and 'IAD' components. The diagram shows multiple instances of these components, indicating a multi-tenant environment.

Activation Engine Concept

Flow-Trough Provisioning

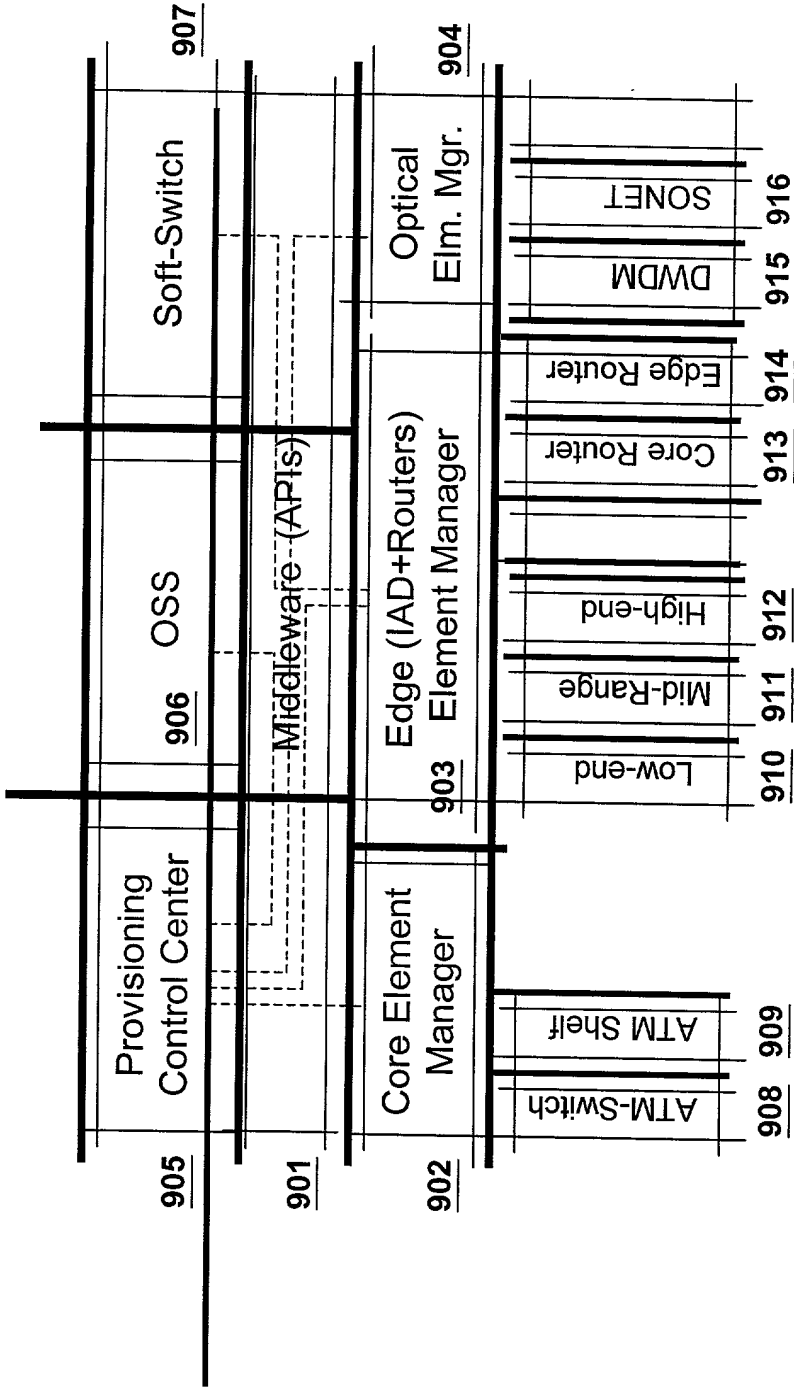


Fig #9

Information Management Platform (IMP)

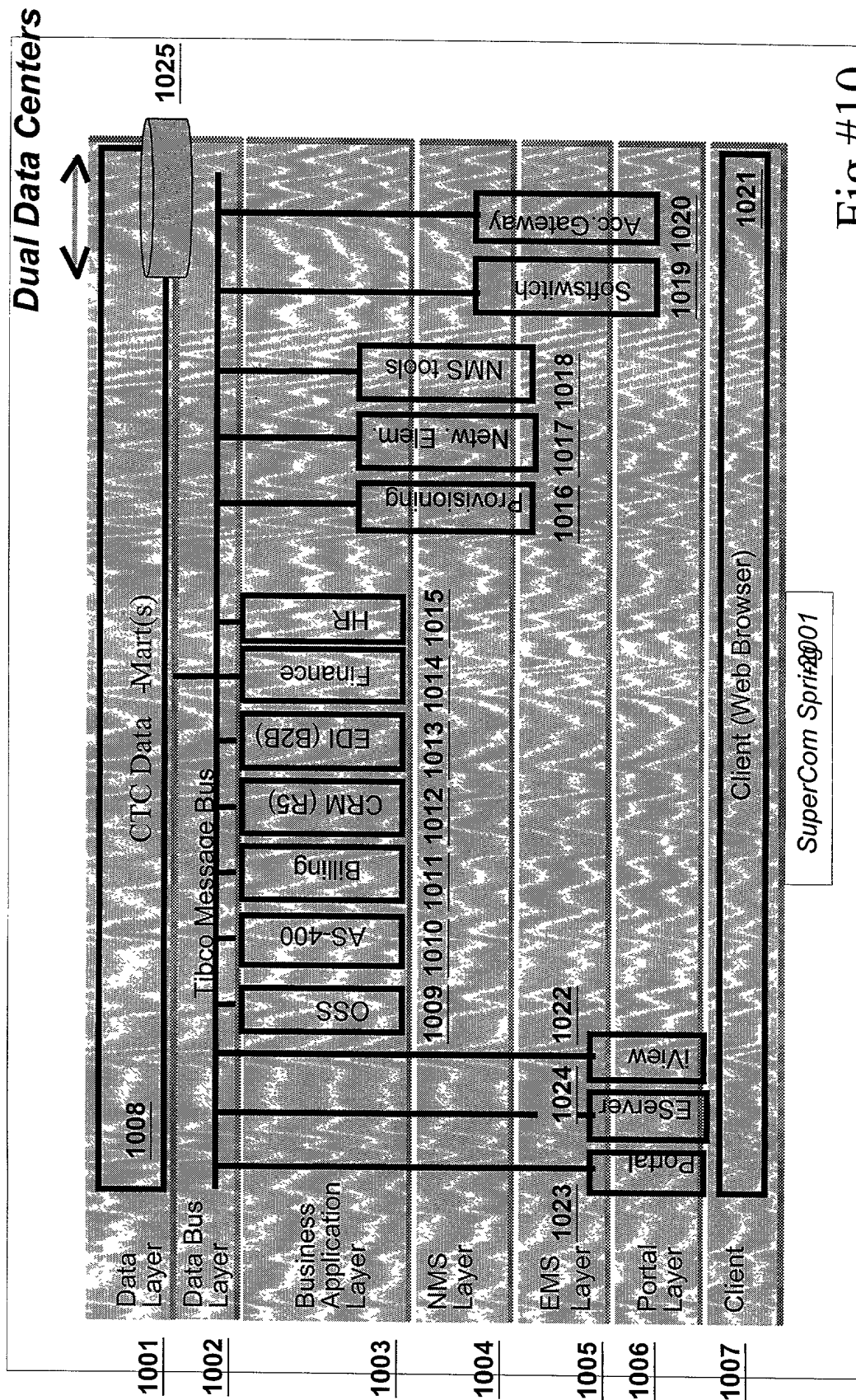


Fig #10